

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599

PRODUCT CONTROL SECTION

www.miamidade.gov/economy

MIAMI-DADE COUNTY

ECO Windows Systems, LLC 9114 N. W. 106th Street, Medley, FL 33178

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "750" Aluminum Sliding Glass Door w/ Reinforcements-S.M.I.

APPROVAL DOCUMENT: Drawing No. **18-21D**, titled "Series- 750 Alum Sliding. Glass Door (S.M.I.)", sheets 1 through 8 of 8, prepared by Al-Farooq Corporation, dated 01/18/18, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant Limitations:

- 1. See Design Pressures Vs Reinforcing, glass types and anchor capacity charts in sheet <u>2</u>. Exterior (positive) design pressures are limited to +70 PSF w / 2-3/4" sill riser and +47.0 PSF w / 2" sill riser. Lower design Pressure from charts applies to entire system.
- 2. See approved configurations in sheets 2.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Sifang Zhao**, **P.E.**

MIAMI-DADE COUNTY
APPROVED

5.2.

NOA No. 18-0129.10 Expiration Date: April 04, 2024 Approval Date: April 04, 2019

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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No. **18-12D**, titled "Series-750 Alum Sliding Glass Door (S.M.I.)", sheets 1 through 8 of 8, prepared by Al-Farooq Corporation, dated 01/18/18, signed and sealed by Javad Ahmad, P.E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Small Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagrams of Alum sliding Glass doors, prepared by Fenestration Testing Lab, Inc., Test Report No. **FTL-9831** dated 12/08/2017, signed and sealed by Idalmis Ortega, P. E.

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC-2017 (6th Edition), prepared by Al Farooq Corporation, dated 01/09/18, signed and sealed by Javad Ahmad, P.E.
- 2. Glazing complies w/ ASTME-1300-09.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-1114.14** issued to Kuraray America, Inc for "**Trosifol**": Ultra clear, clear & color PVB glass interlayer, expiring on 07/08/19.

F. STATEMENTS

- 1. Statement letter of conformance to FBC 2017(6th edition) prepared by Al-Farooq Corporation, dated January 09, 2018, signed and sealed by Javad Ahmad, P.E.
- 2. Lab compliance as part of the above referenced test report.

G. OTHER

1. Test proposal #17-0580, dated 06/13/17 approved by Ishaq Chanda, P.E.

Sifang Zhao, P.E.

Product Control Examiner NOA No. 18-0129.10

Expiration Date: April 04, 2024 Approval Date: April 04, 2019

-3/16" TEMP. GLASS -3/8" AIR SPACE -3/16" HEAT STREN'D GLASS -3/16" HEAT STREN'D GLASS .090" Interlayer -Trosifol PVB .090" Interlayer By 'Kuraray America, Inc.' Trosifol PVB By 'Kuraray America, Inc.' _3/16" HEAT STREN'D GLASS _3/16" HEAT STREN'D GLASS BITE .794" N TYP. GLASS E SILICONE SILICONE DOW 899 DOW 899 CE EXTERIOR JO. CARDINAL XL (29) 29) -EDGE SPACER ST. STEEL GLASS TYPE 'AI' GLASS TYPE 'A' 7/16" OVERALL LAM. GLASS 1" OVERALL INSUL. LAM. GLASS GLAZING OPTIONS

THESE DOORS ARE RATED FOR SMALL MISSILE IMPACT. F.B.C. APPROVED IMPACT RESISTANT SHUTTERS REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE. SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

SERIES-750

ALUMINUM SLIDING GLASS DOOR

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2017 (6TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ)

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

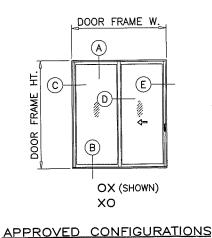
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

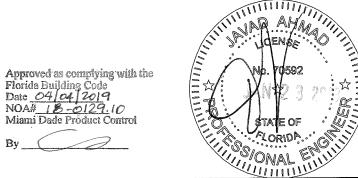
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2017 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.

CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.



LAMINATED GLASS INSUL. LAM. GLASS SMALL MISSILE IMPACT



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 AL-FAROOQ CORPORATION

 ENGINEERS & PRODUCT DEVELOPMENT

 9360 SUNSET DRIVE, SUITE 220

 MIAMI, FLORIDA 33.173
 (C.A.N. 3638)

 TEL. (305) 264-8100
 FAX. (305) 262-6978

(S.M.I.)

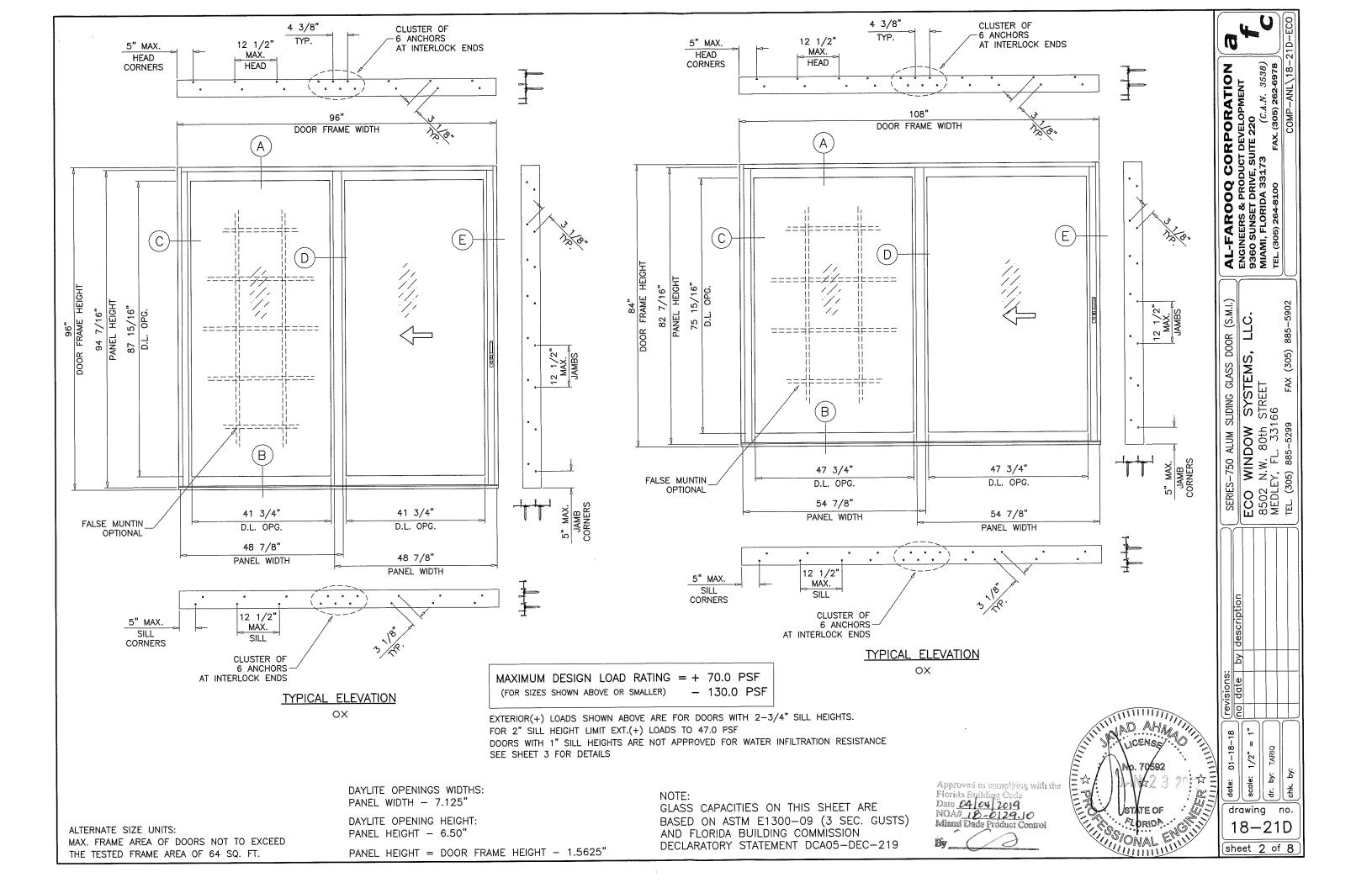
WINDOW SYSTEMS, 2 N.W. 80th STREET LEY, FL. 33166

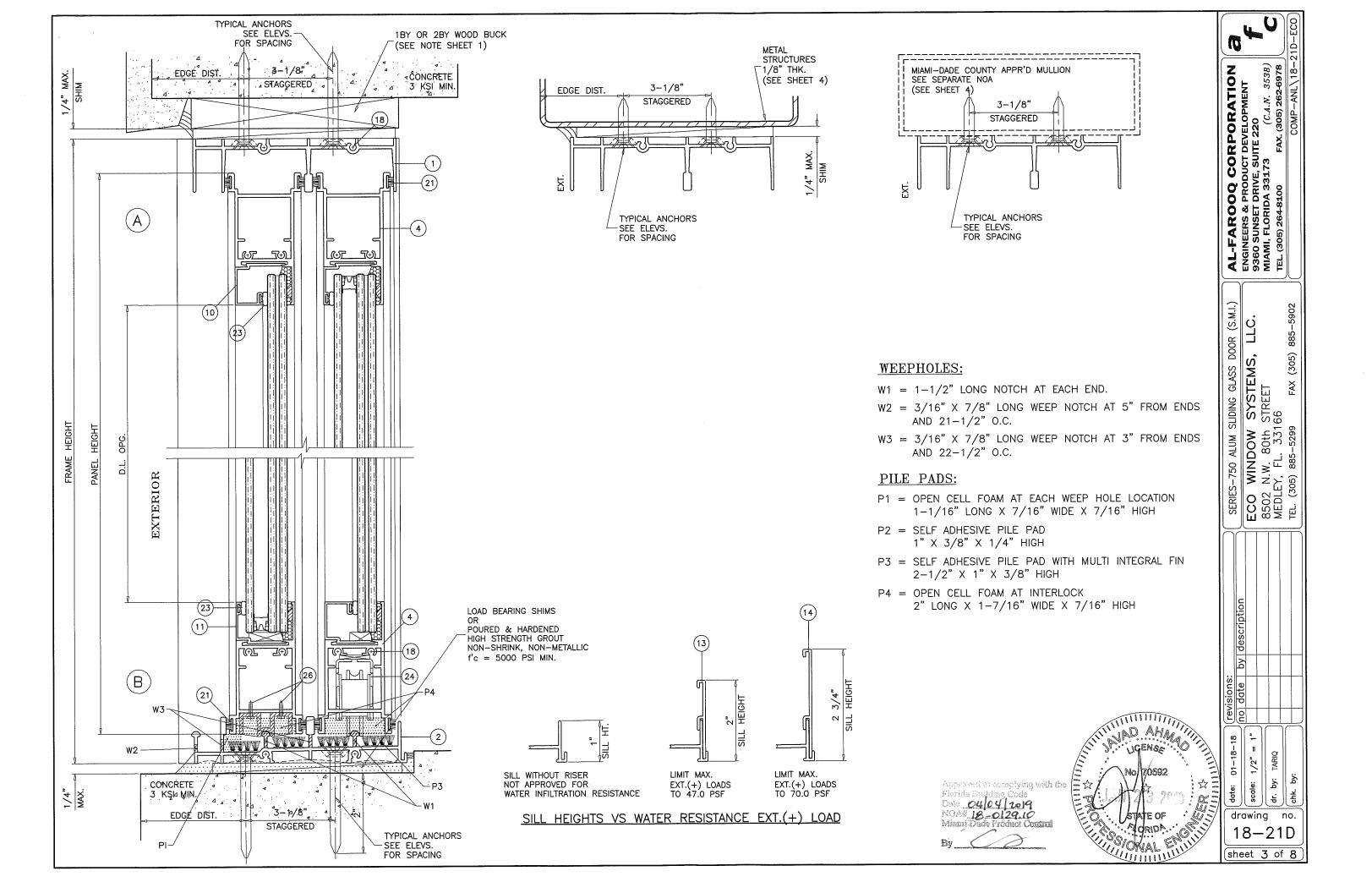
ECO WII 8502 N.W MEDLEY, TEL. (305)

DOOR

> drawing 18 - 21D

sheet 1 of 8





1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY ECO WINDOWS MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1-3/4" MIN. EMBED

TYPE 'A' - 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI) THRU 1BY OR 2BY BUCKS INTO CONCRETE 1-1/4" MIN. EMBED INTO CONCRETE

TYPE 'B'- 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI) DIRECTLY INTO CONCRETE

TYPE 'C'- 1/4" DIA. SELF DRILLING SCREWS (GRADE 5 CRS) INTO MIAMI-DADE COUNTY APPROVED MULLIONS INTO METAL STRUCTURES (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.) STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPE 'B'- 5/16" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI) DIRECTLY INTO CONCRETE 2" MIN. EMBED

— — AT JAMBS

TYPE 'A'- 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI) INTO 2BY WOOD BUCKS OR WOOD STRUCTURES 1-1/2" MIN. PENETRATION INTO WOOD

> THRU 1BY BUCKS INTO CONC. OR BLOCKS 1-1/4" MIN. EMBED INTO CONC. OR BLOCKS

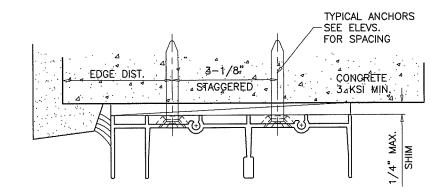
TYPE 'B'- 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI) DIRECTLY INTO CONC. OR BLOCKS 1-1/4" MIN. EMBED INTO CONC. OR BLOCKS

TYPE 'C'- 1/4" DIA. SELF DRILLING SCREWS (GRADE 5 CRS) INTO MIAMI-DADE COUNTY APPROVED MULLIONS INTO METAL STRUCTURES (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.) STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND BLOCKS = 2-1/2" MIN. INTO WOOD STRUCTURE = 1" MIN. INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD OR JAMBS SG = 0.55 MIN. CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN. C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



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 FAX. (305) 262-6978

 (S.M.I.)

GLASS DO ECO WINDOW SYSTET 8502 N.W. 80th STREET MEDLEY, FL. 33166

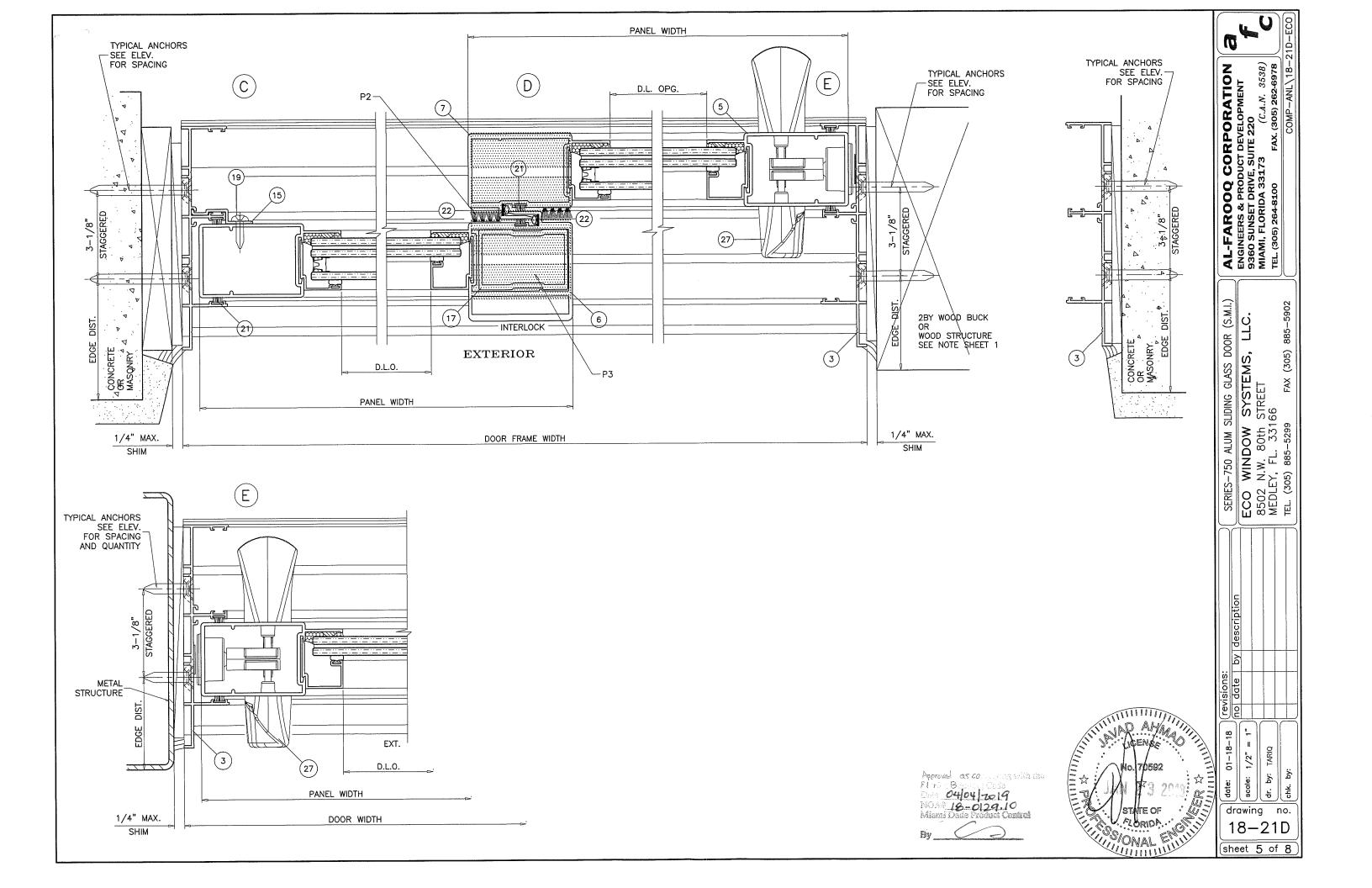
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04/04/2019

þ. scale: drawing no.

18-21D

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ITEM. #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	. E701	1	FRAME HEAD (2 TRACK)	6005-T5	_
2	E702	1	FRAME SILL (2 TRACK)	6005-T5	_
3	E703	2	FRAME JAMB (2 TRACK)	6063-T6	_
4	E704	2/ PANEL	PANEL TOP AND BOTTOM RAIL	6063-T6	_
5	E705	AS RQD.	PANEL LOCK STILE	6063-T6	_
6	E730	AS REQD.	PANEL H.D. OUTER INTERLOCK	6063-T6	_
7	E707	AS REQD.	PANEL INNER INTERLOCK	6063-T6	
10	E710	AS REQD.	GLAZING BEAD 7/16" LAMINATED GLASS	6063-T6	_
11	E711	AS REQD.	GLAZING BEAD 1" INSULATED GLASS	6063-T6	_
13	E713	AS REQD.	2" SILL RISER	6063-T6	
14	E714	AS REQD.	2-3/4" SILL RISER	6063-T6	_
15	E715	AS REQD.	FIXED PANEL CLIP (CONTINUOUS)	6063-T6	_
17	E717	AS REQD.	INTERLOCK STIFFENER (FULL PANEL LENGTH)	6063-T6	_
18	#10 X 3/4" HWH SMS	AS REQD.	FRAME ASSY. SCREWS	ST. STEEL	_
18A	#10 X 1" FH SMS	AS REQD.	PANEL ASSY. SCREWS	ST. STEEL	_
19	#8 X 1/2" PH SMS	2/CLIP	FIXED PANEL CLIP SCREWS	ST. STEEL	AT 3" FROM ENDS & 16" O.C.
20	#10 X 1-1/4" PH SMS	1/ ROLLER	ROLLER INST. SCREWS	_	NOT SHOWN
21	WEATHERSTRIP	AS REQD.	FRAME AND PANEL WEATHERSTRIP	_	FIN SEAL .190 HIGH BY ULTRAFAB
22	E235	AS REQD.	INTERLOCK BUMPER BULB	SANTOPRENE	ULTRAFAB
23	E203	AS REQD.	GLAZING BEAD BULB	SANTOPRENE	ULTRAFAB, DUROMETER 65±5
24	PRO3-6005	2/ MOV. PANEL	TANDEM NYLON WHEELS IN ST. STEEL HOUSING	_	INTERLOCK (1/2" MTG. SPACER REQD.)
25	E718	2/PANEL	FIXED PANEL SKATE	DELRIN	_
26	#8 X 1/2" PH SMS	2/CLIP	FIXED PANEL SKATE INST. SCREWS	ST. STEEL	
27	_	AS REQD.	3 PLY DUAL POINT LOCK ASSEMBLY	_	BY INTERLOCK
28		AS REQD.	BUMPON (SILICONE SPACER)	SILICONE	BY FRANK LOWE
29		AS REQD.	SETTING BLOCKS AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH WHITE/ALUMINUM COLORED SILICONE.

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TEL. (305) 264-8100 FAX. (305) 262-6978 ECO WINDOW SYSTEMS, LLC.

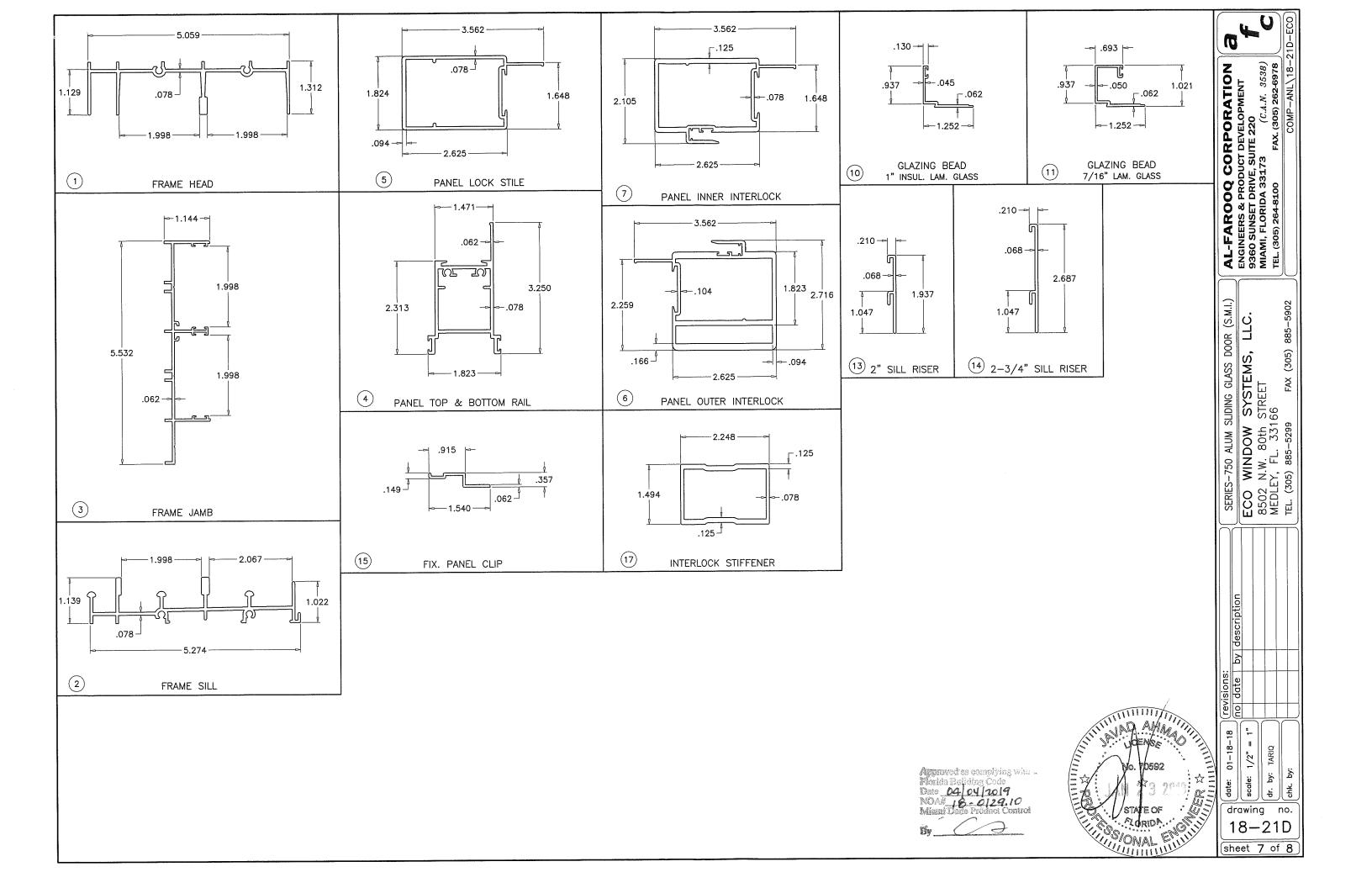
8502 N.W. 80th STREET
MEDLEY, FL. 33166
TEL. (305) 885–5299 FAX (305) 885–5902 revisions: no date by description

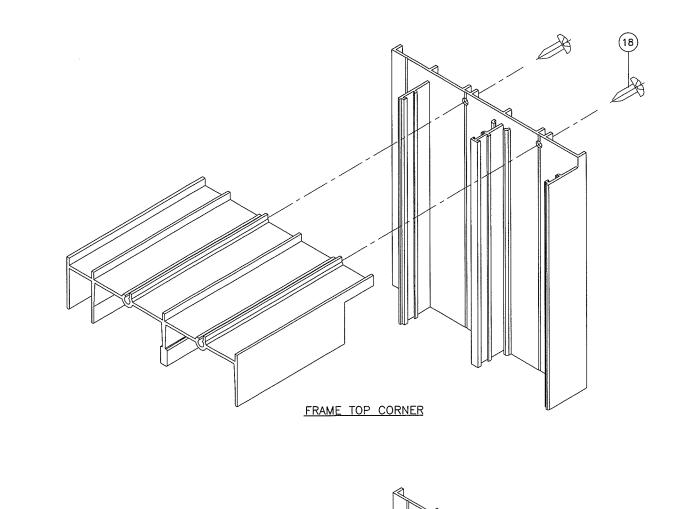
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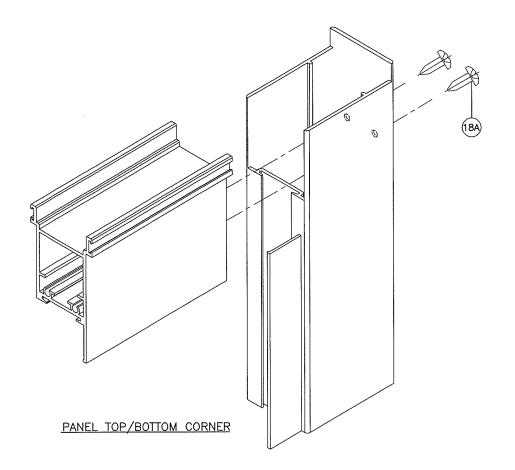
drawing no. 18-21D sheet 6 of 8

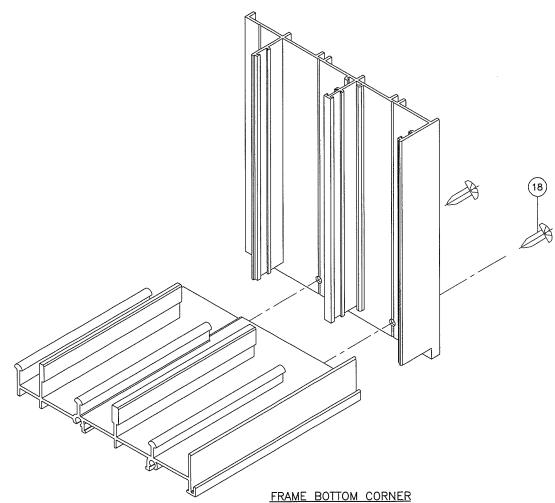
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Minus Dade Product Control

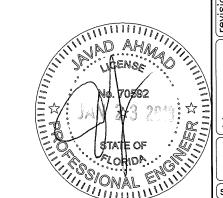
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SERIES-750 ALUM SLIDING GLASS DOOR (S.M.I.)

ECO WINDOW SYSTEMS, LLC.

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MEDLEY, FL. 33166
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